

**CRF Errors Edited by the STIC Systems
Branch**

Serial Number: 10/613, 413B

CRF Edit Date: 9/16/04
Edited by: ZE

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

ENTERED

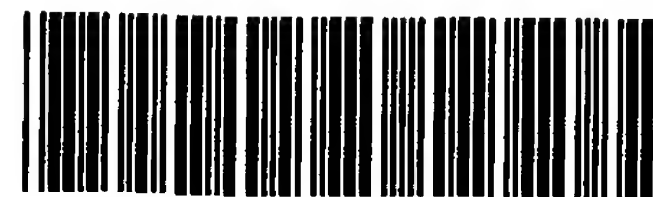
____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☒ Deleted: ☒ invalid beginning/end-of-file text ; ____ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

____ Moved responses to same line as heading/numeric identifier, specifically:

____ Other:



IFW16

RAW SEQUENCE LISTING

DATE: 09/16/2004

PATENT APPLICATION: US/10/613,413B

TIME: 16:17:06

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\09162004\J613413B.raw

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4 <110> APPLICANT: Sleeman, Matthew
5      Murison, Greg
7 <120> TITLE OF INVENTION: Fibroblast Growth Factor Receptors and Methods for Their Use
9 <130> FILE REFERENCE: 11000.1037c5
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/613,413B
C--> 11 <141> CURRENT FILING DATE: 2003-07-03
11 <150> PRIOR APPLICATION NUMBER: U.S. 09/823,038
12 <151> PRIOR FILING DATE: 2001-03-28
14 <150> PRIOR APPLICATION NUMBER: U.S. 09/383,586
15 <151> PRIOR FILING DATE: 1999-08-26
17 <150> PRIOR APPLICATION NUMBER: U.S. 09/276,268
18 <151> PRIOR FILING DATE: 1999-03-25
20 <150> PRIOR APPLICATION NUMBER: PCT/NZ00/00015
21 <151> PRIOR FILING DATE: 2000-02-18
23 <150> PRIOR APPLICATION NUMBER: U.S. 60/221,216
24 <151> PRIOR FILING DATE: 2000-07-25
26 <150> PRIOR APPLICATION NUMBER: U.S. 10/157,444
27 <151> PRIOR FILING DATE: 2000-05-28
29 <150> PRIOR APPLICATION NUMBER: PCT/NZ03/00105
30 <151> PRIOR FILING DATE: 2003-05-27
32 <160> NUMBER OF SEQ ID NOS: 145
34 <170> SOFTWARE: FastSEQ for Windows Version 4.0
36 <210> SEQ ID NO: 1
37 <211> LENGTH: 384
38 <212> TYPE: DNA
39 <213> ORGANISM: Mouse
41 <220> FEATURE:
42 <221> NAME/KEY: misc_feature
43 <222> LOCATION: (1)...(384)
44 <223> OTHER INFORMATION: n = A,T,C or G
46 <400> SEQUENCE: 1
47 ggtggacttc ggtgggacaa cgtccttcca gtgcaagggtg cgcagtgacg tgaagcctgt      60
48 gatccagtgg ctgaagcggg tggagtacgg ctccgaggga cgccacaact ccaccattga      120
49 tgtgggtggc cagaagtttg tgggtgtgcc cacgggtgat gtgtggtcac ggcctgatgg      180
50 ctctacctc aacaagctgc tcatctctcg ggcccgccag gatgatgctg gcatgtacat      240
51 ctgcctaggt gcaaatacca tgggctacag tttccgtagc gccttctca ctgtattacc      300
52 agaccccaaa cctccagggc ctctatggc ttcttcatcg tcatccacaa gcctgccatg      360
W--> 53 gcctgtggng atcggcattc cagc                                     384
55 <210> SEQ ID NO: 2
56 <211> LENGTH: 1967
57 <212> TYPE: DNA
58 <213> ORGANISM: Mouse
60 <400> SEQUENCE: 2

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/613,413B

DATE: 09/16/2004

TIME: 16:17:06

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\09162004\J613413B.raw

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61 gctgcgcgcc cccgcgctga tccctgtcga gcgtctacgc gcctcgcttc ctttgccctgg      60
62 agctcggcgc cgaggggggc cggaccctgg ctctgcggcc gcgacctggg tcttgcgggc      120
63 ctgagccctg agtggcgctc agtccagctc ccagtgcgcg cgccctgctc tcaggtccga      180
64 ccggcgagat gacgcggagc cccgcgctgc tgctgctgct attggggggc ctcccgtcgg      240
65 ctgaggcggc gcgaggaccc ccaagaatgg cagacaaagt ggtcccacgg caggtggccc      300
66 gcctggggccg cactgtgcgg ctacagtgcc cagtggaggg ggacccacca ccgttgacca      360
67 tgtggaccaa agatggccgc acaatccaca gtggctggag ccgcttccgt gtgctgcccc      420
68 agggctctgaa ggtgaaggag gtggaggccg aggatgccgg tgtttatgtg tgcaaggcca      480
69 ccaatggctt tggcagcctc agcgtcaact acactctcat catcatggat gatattagtc      540
70 caggggaagga gagccctggg ccaggtggtt cttcgggggg ccaggaggac ccagccagcc      600
71 agcagtgggc acggcctcgc ttcacacagc cctccaagat gaggcgccga gtgattgcac      660
72 ggctgtggg tagctctgtg cggctcaagt gtgtggccag tgggcaccca cggccagaca      720
73 tcatgtggat gaaggatgac cagacctga cgcactaga ggctagtga cacagaaaga      780
74 agaagtggac actgagcttg aagaacctga agcctgaaga cagtggcaag tacacgtgcc      840
75 gtgtatctaa caaggccggt gccatcaacg ccacctacaa agtggatgta atccagcgga      900
76 ctcgcttcaa gcctgtgctc acagggacac accctgtgaa cacaacgggt gacttcgggtg      960
77 ggacaacgtc cttccagtgc aaggtgcgca gtgacgtgaa gcctgtgatc cagtggctga      1020
78 agcgggtgga gtacggctcc gagggacgcc acaactccac cattgatgtg ggtggccaga      1080
79 agtttgtggt gttgcccacg ggtgatgtgt ggtcacggcc tgatggctcc tacctcaaca      1140
80 agctgctcat ctctcggggc cgccaggatg atgctggcat gtacatctgc ctagggtgcaa      1200
81 ataccatggg ctacagtctc cgtagcgctt tcctcactgt attaccagac cccaaacctc      1260
82 cagggcctcc tatggcttct tcategtcat ccacaagcct gccatggcct gtggtgatcg      1320
83 gcatcccagc tgggtgctgtc ttcactctag gcactgtgct gctctggctt tgccagacca      1380
84 agaagaagcc atgtgcccc acatctacac ttcctgtgcc tgggcatcgt ccccaggga      1440
85 catcccagga acgcagtggg gacaaggacc tgccctcatt ggctgtgggc atatgtgagg      1500
86 agcatggatc cgccatggcc ccccagcaca tcctggcctc tggctcaact gctggcccca      1560
87 agctgtaccc caagctatac acagatgtgc acacacacac acatacacac acctgcactc      1620
88 acacgctctc atgtggaggg caaggttcat caacaccagc atgtccacta tcagtgctaa      1680
89 atacagcgaa tctccaagca ctgtgtcctg aggtaggcat atgggggcca aggcaacagg      1740
90 ttggggagaat tgagaacaat ggaggaagag tatcttaggg tgcccttatgg tggacactca      1800
91 caaacttggc catatagatg tatgtactac cagatgaaca gccagccaga ttcacacacg      1860
92 cacatgttta aacgtgtaaa cgtgtgcaca actgcacaca caacctgaga aaccttcagg      1920
93 aggatttggg gtgtgacttt gcagtgcacat gtagcgatgg ctagttg      1967

```

95 <210> SEQ ID NO: 3

96 <211> LENGTH: 1742

97 <212> TYPE: DNA

98 <213> ORGANISM: Mouse

100 <400> SEQUENCE: 3

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101 gcgcggcgcc ccggggccct cgccccgcgc cccctcttcc ccgcctcgc caagcctcgc      60
102 cgtttatccg cgcggacagc gcgccccgcg cccagccccg gccctagccg ccagcgccca      120
103 ggtagcgccg ccccgcccag gccggggccc ggggcgcggg gggcgggatg cggcgcccgg      180
104 ggcagcgatg accgcgtcgc gctgctcagg ggcccggtc tgaccccggt gcctgctgcg      240
105 cgcccccgcg ctgatccctg tcgagcgtct acgcgcctcg cttcctttgc ctggagctcg      300
106 gcgccgaggg gggccggacc ctggctctgc ggccgcgacc tgggtcttgc gggcctgagc      360
107 cctgagtggc gtccagtcca gctcccagtg accgcgcccc tgcttcaggt ccgaccggcg      420
109 agatgacgcg gagccccgcg ctgctgctgc tgctattggg ggccctcccg tcggctgagg      480
110 cggcgcgaga tgatattagt ccagggaagg agagccctgg gccaggtggt tcttcggggg      540
111 gccaggagga cccagccagc cagcagtggg cacggcctcg cttcacacag ccctccaaga      600
112 tgaggcgccg agtgattgca cggcctgtgg gtagctctgt gcggctcaag tgtgtggcca      660

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/613,413B

DATE: 09/16/2004

TIME: 16:17:06

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\09162004\J613413B.raw

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113 gtggggcacc acggccagac atcatgtgga tgaaggatga ccagaccttg acgcatctag      720
114 aggctagtga acacagaaag aagaagtgga cactgagctt gaagaacctg aagcctgaag      780
115 acagtggcaa gtacacgtgc cgtgtatcta acaaggccgg tgccatcaac gccacctaca      840
116 aagtggatgt aatccagcgg actcgttcca agcctgtgct cacagggaca caccctgtga      900
117 acacaacggt ggacttcggt gggacaacgt ccttccagtg caaggtgcgc agtgacgtga      960
118 agcctgtgat ccagtggctg aagcgggtgg agtacggctc cgagggacgc cacaactcca     1020
119 ccattgatgt ggggtggccag aagtttgtgg tgttgcccac ggggtgatgtg tggtcacggc     1080
120 ctgatggctc ctacctcaac aagctgctca tctctcgggc ccgccaggat gatgctggca     1140
121 tgtacatctg cctaggtgca aataccatgg gctacagttt ccgtagcgcc ttcctcactg     1200
122 tattaccaga ccccaaacct cctccagggc ctccatggc ttcttcatcg tcatccacaa     1260
123 gcctgccatg gcctgtgggtg atcggcattc cagctgggtg tgtcttcatc ctaggcactg     1320
124 tgctgctctg gctttgccag accaagaaga agccatgtgc cccagcatct acacttcctg     1380
125 tgcctgggca tcgtcccccga gggacatccc gagaacgcag tggtgacaag gacctgcctt     1440
126 cattggctgt gggcatatgt gaggagcatg gatccgccat ggccccccag cacatcctgg     1500
127 cctctggctc aactgctggc cccaagctgt accccaagct atacacagat gtgcacacac     1560
128 acacacatac acacacctgc actcacacgc tctcatgtgg agggcaaggt tcatcaacac     1620
129 cagcatgtcc actatcagtg ctaaatacag cgaatctcca agcactgtgt cctgaggtag     1680
130 gcatatgggg gccaaaggca caggttggga gaattgagaa caatggagga agagtatctt     1740
131 ag                                         1742

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133 <210> SEQ ID NO: 4

134 <211> LENGTH: 1004

135 <212> TYPE: DNA

136 <213> ORGANISM: Human

138 <400> SEQUENCE: 4

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139 gcggccgcga cccaggtcc ggacaggccg agatgacgcc gagccccctg ttgctgctcc      60
140 tgctgccgcc gctgctgctg ggggccttcc caccggccgc cgccgcccga ggccccccaa     120
141 agatggcgga caaggtggct ccacggcagg tggccggctg ggccgcactg tgccggctgca     180
142 gtgccagtgg agggggaccc gccgccgctg accatgtgga ccaaggatgg ccgcaccatc     240
143 cacagcggct ggagccgctt ccgcgtgctg ccgcaggggc tgaaggatga gcaggtggag     300
144 cgggaggatg ccggcgtgta cgtgtgcaag gccaccaacg gcttcggcag ccttagcgtc     360
145 aactacaccc tcgtcgtgct ggatgacatt agcccaggga aggagagcct ggggcccgcac     420
146 agctcctctg ggggtcaaga ggaccccgcg agccagcagt gggcacgacc gcgcttcaca     480
147 cagccctcca agatgaggcg ccgggtgatc gcacggcccc tgggtagctc cgtgcggctc     540
148 aagtgcgtgg ccagcgggca cctcggccc gacatcacgt ggatgaagga cgaccaggcc     600
149 ttgacgcgcc cagaggccgc tgagcccagg aagaagaagt ggacactgag cctgaagaac     660
150 ctgcggccgg aggacagcgg caaatacacc tgccgcgtgt cgaaccgcgc gggcgccatc     720
151 aacgccacct acaaggtgga tgtgatccag cggaccgctt ccaagcccgt gctcacaggc     780
152 acgcaccccc tgaacacgac ggtggacttc ggggggacca cgtccttcca gtgcaagggtg     840
153 cgcagcgacg tgaagccggt gatccagtgg ctgaagcgcg tggagtacgg cgccgagggc     900
154 cgccacaact ccaccatcga tgtgggcggc cagaagtttg tgggtgctgcc cacgggtgac     960
155 gtgtggctgc ggcccagcgg ctccctacctc aataagccgc tccc                                1004

```

157 <210> SEQ ID NO: 5

158 <211> LENGTH: 126

159 <212> TYPE: PRT

160 <213> ORGANISM: Mouse

162 <220> FEATURE:

163 <221> NAME/KEY: VARIANT

164 <222> LOCATION: (1)...(126)

165 <223> OTHER INFORMATION: Xaa = Any Amino Acid

RAW SEQUENCE LISTING

DATE: 09/16/2004

PATENT APPLICATION: US/10/613,413B

TIME: 16:17:06

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\09162004\J613413B.raw

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167 <400> SEQUENCE: 5
168 Val Asp Phe Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg Ser Asp
169 1 5 10 15
170 Val Lys Pro Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly Ser Glu
171 20 25 30
172 Gly Arg His Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe Val Val
173 35 40 45
174 Leu Pro Thr Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn
175 50 55 60
176 Lys Leu Leu Ile Ser Arg Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile
177 65 70 75 80
178 Cys Leu Gly Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu
179 85 90 95
180 Thr Val Leu Pro Asp Pro Lys Pro Pro Gly Pro Pro Met Ala Ser Ser
181 100 105 110
W--> 182 Ser Ser Ser Thr Ser Leu Pro Trp Pro Val Xaa Gly Ile Pro
183 115 120 125
185 <210> SEQ ID NO: 6
186 <211> LENGTH: 529
187 <212> TYPE: PRT
188 <213> ORGANISM: Mouse
190 <400> SEQUENCE: 6
191 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Leu Gly Ala Leu Pro
192 1 5 10 15
193 Ser Ala Glu Ala Ala Arg Gly Pro Pro Arg Met Ala Asp Lys Val Val
194 20 25 30
195 Pro Arg Gln Val Ala Arg Leu Gly Arg Thr Val Arg Leu Gln Cys Pro
196 35 40 45
197 Val Glu Gly Asp Pro Pro Pro Leu Thr Met Trp Thr Lys Asp Gly Arg
198 50 55 60
199 Thr Ile His Ser Gly Trp Ser Arg Phe Arg Val Leu Pro Gln Gly Leu
200 65 70 75 80
201 Lys Val Lys Glu Val Glu Ala Glu Asp Ala Gly Val Tyr Val Cys Lys
202 85 90 95
203 Ala Thr Asn Gly Phe Gly Ser Leu Ser Val Asn Tyr Thr Leu Ile Ile
204 100 105 110
205 Met Asp Asp Ile Ser Pro Gly Lys Glu Ser Pro Gly Pro Gly Gly Ser
206 115 120 125
207 Ser Gly Gly Gln Glu Asp Pro Ala Ser Gln Gln Trp Ala Arg Pro Arg
208 130 135 140
209 Phe Thr Gln Pro Ser Lys Met Arg Arg Arg Val Ile Ala Arg Pro Val
210 145 150 155 160
211 Gly Ser Ser Val Arg Leu Lys Cys Val Ala Ser Gly His Pro Arg Pro
212 165 170 175
213 Asp Ile Met Trp Met Lys Asp Asp Gln Thr Leu Thr His Leu Glu Ala
214 180 185 190
215 Ser Glu His Arg Lys Lys Lys Trp Thr Leu Ser Leu Lys Asn Leu Lys
216 195 200 205
217 Pro Glu Asp Ser Gly Lys Tyr Thr Cys Arg Val Ser Asn Lys Ala Gly

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/613,413B

DATE: 09/16/2004

TIME: 16:17:06

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\09162004\J613413B.raw

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218      210      215      220
219 Ala Ile Asn Ala Thr Tyr Lys Val Asp Val Ile Gln Arg Thr Arg Ser
220 225      230      235      240
221 Lys Pro Val Leu Thr Gly Thr His Pro Val Asn Thr Thr Val Asp Phe
222      245      250      255
223 Gly Gly Thr Thr Ser Phe Gln Cys Lys Val Arg Ser Asp Val Lys Pro
224      260      265      270
225 Val Ile Gln Trp Leu Lys Arg Val Glu Tyr Gly Ser Glu Gly Arg His
226      275      280      285
227 Asn Ser Thr Ile Asp Val Gly Gly Gln Lys Phe Val Val Leu Pro Thr
228      290      295      300
229 Gly Asp Val Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn Lys Leu Leu
230 305      310      315      320
231 Ile Ser Arg Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile Cys Leu Gly
232      325      330      335
233 Ala Asn Thr Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu Thr Val Leu
234      340      345      350
235 Pro Asp Pro Lys Pro Pro Gly Pro Pro Met Ala Ser Ser Ser Ser Ser
236      355      360      365
237 Thr Ser Leu Pro Trp Pro Val Val Ile Gly Ile Pro Ala Gly Ala Val
238      370      375      380
239 Phe Ile Leu Gly Thr Val Leu Leu Trp Leu Cys Gln Thr Lys Lys Lys
240 385      390      395      400
241 Pro Cys Ala Pro Ala Ser Thr Leu Pro Val Pro Gly His Arg Pro Pro
242      405      410      415
243 Gly Thr Ser Arg Glu Arg Ser Gly Asp Lys Asp Leu Pro Ser Leu Ala
244      420      425      430
245 Val Gly Ile Cys Glu Glu His Gly Ser Ala Met Ala Pro Gln His Ile
246      435      440      445
247 Leu Ala Ser Gly Ser Thr Ala Gly Pro Lys Leu Tyr Pro Lys Leu Tyr
248      450      455      460
249 Thr Asp Val His Thr His Thr His Thr His Thr Cys Thr His Thr Leu
250 465      470      475      480
251 Ser Cys Gly Gly Gln Gly Ser Ser Thr Pro Ala Cys Pro Leu Ser Val
252      485      490      495
253 Leu Asn Thr Ala Asn Leu Gln Ala Leu Cys Pro Glu Val Gly Ile Trp
254      500      505      510
255 Gly Pro Arg Gln Gln Val Gly Arg Ile Glu Asn Asn Gly Gly Arg Val
256      515      520      525
257 Ser
260 <210> SEQ ID NO: 7
261 <211> LENGTH: 439
262 <212> TYPE: PRT
263 <213> ORGANISM: Mouse
265 <400> SEQUENCE: 7
266 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Leu Gly Ala Leu Pro
267 1      5      10      15
268 Ser Ala Glu Ala Ala Arg Asp Asp Ile Ser Pro Gly Lys Glu Ser Pro
269      20      25      30

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/613,413B

DATE: 09/16/2004
TIME: 16:17:07

Input Set : A:\pto.kd.txt
Output Set: N:\CRF4\09162004\J613413B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 369 ✓

Seq#:5; Xaa Pos. 123 ✓

VERIFICATION SUMMARY

PATENT APPLICATION: **US/10/613,413B**

DATE: 09/16/2004

TIME: 16:17:07

Input Set : **A:\pto.kd.txt**

Output Set: **N:\CRF4\09162004\J613413B.raw**

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:112



IFW16

RAW SEQUENCE LISTING

DATE: 09/15/2004

PATENT APPLICATION: US/10/613,413B

TIME: 11:28:08

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\09152004\J613413B.raw

4 <110> APPLICANT: Sleeman, Matthew
 5 Murison, Greg
 7 <120> TITLE OF INVENTION: Fibroblast Growth Factor Receptors and Methods for Their Use
 9 <130> FILE REFERENCE: 11000.1037c5
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/613,413B
 C--> 11 <141> CURRENT FILING DATE: 2003-07-03
 11 <150> PRIOR APPLICATION NUMBER: U.S. 09/823,038
 12 <151> PRIOR FILING DATE: 2001-03-28
 14 <150> PRIOR APPLICATION NUMBER: U.S. 09/383,586
 15 <151> PRIOR FILING DATE: 1999-08-26
 17 <150> PRIOR APPLICATION NUMBER: U.S. 09/276,268
 18 <151> PRIOR FILING DATE: 1999-03-25
 20 <150> PRIOR APPLICATION NUMBER: PCT/NZ00/00015
 21 <151> PRIOR FILING DATE: 2000-02-18
 23 <150> PRIOR APPLICATION NUMBER: U.S. 60/221,216
 24 <151> PRIOR FILING DATE: 2000-07-25
 26 <150> PRIOR APPLICATION NUMBER: U.S. 10/157,444
 27 <151> PRIOR FILING DATE: 2000-05-28
 29 <150> PRIOR APPLICATION NUMBER: PCT/NZ03/00105
 30 <151> PRIOR FILING DATE: 2003-05-27
 32 <160> NUMBER OF SEQ ID NOS: 145
 34 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply
 Correcting Diskette Needed
 (pg. 2-3)

ERRORED SEQUENCES

4584 <210> SEQ ID NO: 145
 4585 <211> LENGTH: 462
 4586 <212> TYPE: PRT
 4587 <213> ORGANISM: Mouse
 4589 <400> SEQUENCE: 145
 4590 Met Thr Arg Ser Pro Ala Leu Leu Leu Leu Leu Gly Ala Leu Pro
 4591 1 5 10 15
 4592 Ser Ala Glu Ala Ala Arg Gly Pro Pro Arg Met Ala Asp Lys Val Val
 4593 20 25 30
 4594 Pro Arg Gln Val Ala Arg Leu Gly Arg Thr Val Arg Leu Gln Cys Pro
 4595 35 40 45
 4596 Val Glu Gly Asp Pro Pro Pro Leu Thr Met Trp Thr Lys Asp Gly Arg
 4597 50 55 60
 4598 Thr Ile His Ser Gly Trp Ser Arg Phe Arg Val Leu Pro Gln Gly Leu
 4599 65 70 75 80
 4600 Lys Val Lys Glu Val Glu Ala Glu Asp Ala Gly Val Tyr Val Cys Lys
 4601 85 90 95

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/613,413B

DATE: 09/15/2004

TIME: 11:28:08

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\09152004\J613413B.raw

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4602 Ala Thr Asn Gly Phe Gly Ser Leu Ser Val Asn Tyr Thr Leu Ile Met
4603           100           105           110
4604 Trp Met Lys Asp Asp Gln Thr Leu Thr His Leu Glu Ala Ser Glu His
4605           115           120           125
4606 Arg Lys Lys Lys Trp Thr Leu Ser Leu Lys Asn Leu Lys Pro Glu Asp
4607           130           135           140
4608 Ser Gly Lys Tyr Thr Cys Arg Val Ser Asn Lys Ala Gly Ala Ile Asn
4609 145           150           155           160
4610 Ala Thr Tyr Lys Val Asp Val Ile Gln Arg Thr Arg Ser Lys Pro Val
4611           165           170           175
4612 Leu Thr Gly Thr His Pro Val Asn Thr Thr Val Asp Phe Gly Gly Thr
4613           180           185           190
4614 Thr Ser Phe Gln Cys Lys Val Arg Ser Asp Val Lys Pro Val Ile Gln
4615           195           200           205
4616 Trp Leu Lys Arg Val Glu Tyr Gly Ser Glu Gly Arg His Asn Ser Thr
4617           210           215           220
4618 Ile Asp Val Gly Gly Gln Lys Phe Val Val Leu Pro Thr Gly Asp Val
4619 225           230           235           240
4620 Trp Ser Arg Pro Asp Gly Ser Tyr Leu Asn Lys Leu Leu Ile Ser Arg
4621           245           250           255
4622 Ala Arg Gln Asp Asp Ala Gly Met Tyr Ile Cys Leu Gly Ala Asn Thr
4623           260           265           270
4624 Met Gly Tyr Ser Phe Arg Ser Ala Phe Leu Thr Val Leu Pro Asp Pro
4625           275           280           285
4626 Lys Pro Pro Gly Pro Pro Met Ala Ser Ser Ser Ser Ser Thr Ser Leu
4627           290           295           300
4628 Pro Trp Pro Val Val Ile Gly Ile Pro Ala Gly Ala Val Phe Ile Leu
4629 305           310           315           320
4630 Gly Thr Val Leu Leu Trp Leu Cys Gln Thr Lys Lys Lys Pro Cys Ala
4631           325           330           335
4632 Pro Ala Ser Thr Leu Pro Val Pro Gly His Arg Pro Pro Gly Thr Ser
4633           340           345           350
4634 Arg Glu Arg Ser Gly Asp Lys Asp Leu Pro Ser Leu Ala Val Gly Ile
4635           355           360           365
4636 Cys Glu Glu His Gly Ser Ala Met Ala Pro Gln His Ile Leu Ala Ser
4637           370           375           380
4638 Gly Ser Thr Ala Gly Pro Lys Leu Tyr Pro Lys Leu Tyr Thr Asp Val
4639 385           390           395           400
4640 His Thr His Thr His Thr His Thr Cys Thr His Thr Leu Ser Cys Gly
4641           405           410           415
4642 Gly Gln Gly Ser Ser Thr Pro Ala Cys Pro Leu Ser Val Leu Asn Thr
4643           420           425           430
4644 Ala Asn Leu Gln Ala Leu Cys Pro Glu Val Gly Ile Trp Gly Pro Arg
4645           435           440           445
4646 Gln Gln Val Gly Arg Ile Glu Asn Asn Gly Gly Arg Val Ser
4647           450           455           460

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E--> 4648 (82)

delete

VERIFICATION SUMMARY

DATE: 09/15/2004

PATENT APPLICATION: US/10/613,413B

TIME: 11:28:09

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\09152004\J613413B.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:360
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:112
L:4648 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:145 ✓